

2',3',5'-triacetyl-5-Azacytidine

Chemical Properties

CAS No. :	10302-78-0
Formula:	C ₁₄ H ₁₈ N ₄ O ₈
Molecular Weight:	370.315
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	2',3',5'-triacetyl-5-Azacytidine (Nsc291930) is a prodrug form of 5-azacytidine that may be rapidly absorbed orally.
Targets(IC50)	DNA Methyltransferase

Solubility Information

Solubility	DMSO: 10.00 mg/mL (27.00 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7004 mL	13.5018 mL	27.0037 mL
5 mM	0.5401 mL	2.7004 mL	5.4007 mL
10 mM	0.270 mL	1.3502 mL	2.7004 mL
50 mM	0.054 mL	0.270 mL	0.5401 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Brueckner, B. Epigenetic Reactivation of Tumor Suppressor Genes by a Novel Small-Molecule Inhibitor of Human DNA Methyltransferases[J]. Cancer Research, 2005, 65(14):6305-6311.

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